

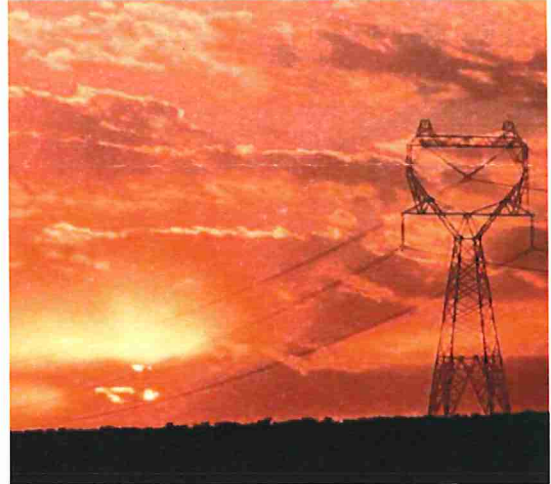
Bonneville Power Administration and American Indian Science and Engineering Society Summer Internship Program

Engineering (Electrical, Civil and Mechanical)

Deadline: Jan. 31, 2016

The Bonneville Power Administration's high-voltage transmission lines help deliver the Northwest's power. Throughout the region, BPA operates over 15,000 circuit miles of high-voltage lines. That's about 75 percent of the high-voltage grid in the Northwest.

During the AISES Summer Internship Program at BPA, students work with and assist senior engineers on drawings, planning functions, design, equipment testing, and also participate in field visits and other activities related to project development.



**The three primary fields of engineering at BPA are electrical, civil and mechanical.
Activities for each of the areas may include:**

Electrical engineering

Students may be involved with communication equipment, substation equipment, line design, and other related systems.

- Developing schematic and wiring drawings.
- Testing electronic equipment such as relays, telecom gear, breakers, transformers and other supporting ancillary equipment.
- Gathering data for equipment performance reports.
- Field visits to substations, radio sites and wind generation plants.

Civil engineering

Students may be involved with communication equipment, substation equipment, line design and other related systems.

- Support for transmission line placement.
- Substation layout, drainage, footings, etc.
- Access road design and review.
- Field visits to substations, radio sites and wind generation plants.



Mechanical engineering

Students may be involved with communication equipment, substation equipment, line design, and other related systems.

- Transmission line design.
- Tower design.
- HVAC related items for facilities.
- Field visits to substations, radio sites and wind generation plants.

Internship dates

10 weeks typically June–August, may be flexible based on schedule.

Internship location

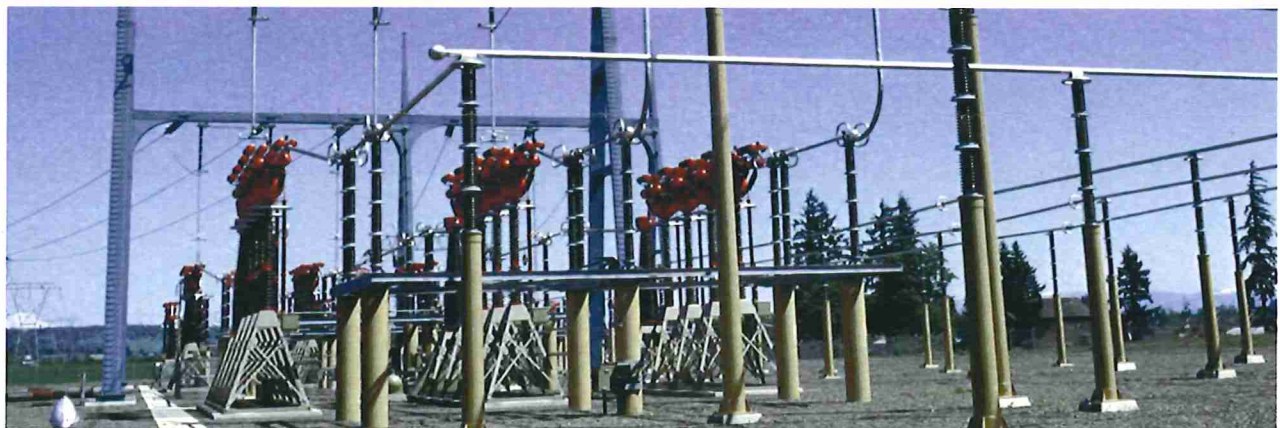
Vancouver, Wash. (across the Columbia River from Portland, Ore.)

Intern is provided the following:

- Round trip airfare or mileage to internship site.
- Lodging.
- Weekly living stipend.
- Weekly local transportation stipend.

How to apply

To apply for the AISES Summer Internship Program at BPA, please visit the AISES website at www.aises.org/scholarships/internships.



Like a highway interchange for electrons, substations route electricity to the right place and help keep it moving to the consumer.